# THETIS FIDO2 Security Key Introduction (V1.6)

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# 1. Product Overview

FIDO2 Security Key is a hardware authenticator complying with FIDO2 standard and FIDO U2F standard. By using an FIDO2 Security Key, users are freed from having to remember and type passwords as well as less to worry about their account information stolen by phishing, hacking or viruses. It uses Private / Public Key (asymmetric) cryptography to provide strong authentication and can be used on FIDO2-enabled or U2F-enabled services and applications as a factor of two-factor authentication, multi-factor authentication or passwordless authentication. Works with Google, Facebook, Dropbox, GitHub, Salesforce, Dashlane, and many other services.

# 2. Product Features

- Standard HID device (no driver needed)
- Supported protocols: FIDO2, FIDO U2F
- Support passwordless authentication, two-factor authentication and multi-factor authentication
- Integrated fingerprint verification
- Durable and portable design, 360° rotating casing protects USB port and fingerprint sensor

FIDO 2.0/ FIDO BLE

FIDO 2.0 BIO/ BLE BIO

# 3. Product Specs

| Product | FIDO 2.0 | FIDO BLE | FIDO 2.0 BIO | BLE BIO |
|---|---|---|---|---|
| System | Windows, macOS, Linux | | Windows, macOS, Linux | |
| Browser | Edge, Chrome, Firefox, Opera, Safari | | Edge, Chrome, Firefox, Opera, Safari | |
| Functions | FIDO U2F, FIDO2,<br>OATH HOTP(optional) | | FIDO U2F, FIDO2,<br>OATH HOTP(optional) | |
| Algorithm | SHA256, AES, HMAC, ECDH, ECDSA | | SHA256, AES, HMAC, ECDH, ECDSA | |
| Size | 44.7x16x9 mm | 52.6x18x11 mm | 63.7x19x11.6 mm | |
| Interface | USB-A,<br>NFC(FD202) | USB-A, NFC, BLE | USB-A | USB-A, NFC, BLE |
| Data Retention | ⩾10 years | | ⩾10 years | |
| Rewrite Cycle | ⩾100,000 times | | ⩾100,000 times | |
| Operating Voltage | 5V±10% | | 5V±10% | |
| Operating Current | Max <40mA | | Max <40mA | |
| Button Endurance | ⩾100,000 times | | N/A | |
| FP Sensor Resolution | N/A | | 508dpi | |
| Verification Time | N/A | | <1s | |
| False Accept Rate | N/A | | < 0.001% | |
| False Reject Rate | N/A | | < 1% | |
| Storage | N/A | | 30 fingerprints | |
| Operating Temperature | -10℃~60℃ | | -10℃~60℃ | |
| Storage Temperature | -20℃~60℃ | | -20℃~60℃ | |
| Indicator Light | White | White, Blue | Red, Green | Red, Green, Blue |
| Material | AL, PC | | AL, PC | |
| Certificate | CE, FCC, RoHS, WEEE, FIDO2 L1 | | CE, FCC, RoHS, WEEE, FIDO2 L1 | |